

Sheet 1 of 1

<b>LIST OF PATENTS AND PUBLICATIONS</b> <b>APPLICANT'S INFORMATION</b> <b>DISCLOSURE STATEMENT</b> (Form PTO-1449)				Attorney Docket: 101769-58		Serial No.: 10/517683	
				Applicant: SCHUTH et al		Examiner: TBA Hailey	
				Filing Date: Herewith 12/10/04		Group: TBA 1755	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner's Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If appropriate
	AA						
	AB						
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub Class	Translation Yes No
LH	AC	EP 0 552 133 A	21. July 1993	Europe			
LH	AD	DE 17 92 188 A	14 October 1971	Germany			
	AE	EP 0 685 435 A	6 December 1995	Europe			
	AF						
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
LH	AG	Shigapov et al; "The Preparation of High-Surface Area, Thermally-stable Metal-Oxide catalysts and Supports by a Cellulose Templating Approach"; Applied Catalysis A: General, Elsevier Science, Amsterdam, NL (March 9, 2001) pages 287-300 XP004272630,					
LH	AH	Schmidt W. et al.; "A Novel Synthesis Route for High Surface Area Spinel Using Ion Exchanged Zeolites as Precursors"; Microporous and Mesoporous Materials, Elsevier Science Publishing, NY (November 1, 2001); pages 89-94 XP004332131					
LH	AI	Schmidt W. et al.; "Nanosized Transition Metal Spinel with High Surface Areas From Zeolite Precursors"; Chemistry of Materials, American Chemical Society, Washington, (February 1, 2001); pages 607-612; XP 001005180					
	AJ						
EXAMINER: /Patricia Hailey/					DATE CONSIDERED: 01/31/2007		
• EXAMINER: Initial if Reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformation and not considered, include copy of this form with next communication to applicant.							

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT'S**  
(Form PTO-1449)

**Complete if Known**

<p align="center"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT'S</b> (Form PTO-1449)</p>	Application Number	10,517,683
	Filing Date:	December 10, 2004
	First Named Inventor	SCHUTH, et al.
	Art Unit	<del>Not yet assigned</del> 1755
	Examiner Name:	<del>Not yet assigned</del> Hailey
Sheet 1	of 2	Attorney Docket Number: 100716-58

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup>	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
LH	A	US - 4,446,201	05-01-1984	LEE, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
LH	B	JP-62-265114	05-07-1988	T. Ogushi		✓

**NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
LH	C	M. DATURI, et al., "Reduction of High Surface Area CeO <sub>2</sub> - ZrO <sub>2</sub> Mixed Oxides", J. Phys. Chem. B, (2000) v. 104, pages 9186-9194.	
	D	M.F.L. JOHNSON, et al., "The Origin and Types of Pores in Some Alumina Catalysts", Journal of Catalysis, (1968), vol. 10, pages 342-354.	
	E	G.K. CHUAH, et al., "The Effect of Digestion on the Surface Area and Porosity of Alumina", Microporous and Mesoporous Materials, (2000), vol. 37, pages 345-353.	
	F	M.A. VALENZUELA, et al., "The Influence of the Preparation Method on the Surface Structure of ZnAl <sub>2</sub> O <sub>4</sub> , Applied Catalysis A, General, (1997), vol. 148, pages 315-324.	
	G	G. BUSCA, et al., "Preparation, Solid-State Characterization, and Surface Chemistry of High Surface Area Ni <sub>x</sub> Al <sub>2-2x</sub> O <sub>3-2x</sub> Mixed Oxides", Chem. Mater., (1992), vol. 4, pages 595-605.	
	H	A. ALEJANDRE, et al., "Preparation and Study of Cu-Al Mixed Oxides via Hydrotalcite-like Precursors", Chem. Mater., (1999), vol. 11, pages 939-948.	
	I	R. ROESKY, et al., "An Improved Synthesis Method for Indenes and Styrenes by Use of a ZnO/Al <sub>2</sub> O <sub>3</sub> Spinel Catalyst", Applied Catalysis A: General, (1999), vol. 176, pages 213-220.	
LH	J	A.C. PIERRE, et al. "Comparison of the Structure and Porous Texture of Alumina Gels Synthesized by Different Methods", Langmuir, (1998), vol. 14, pages 66-73.	

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		Application Number	10/517,683
		Filing Date:	December 10, 2004
		First Named Inventor	SCHUTH, et al.
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		Examiner Name:	<del>Not yet assigned</del> Hailey
Sheet 2	of 2	Attorney Docket Number: 100716-58	
<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner's Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
LH	K	E. ELAOUli, et al., "Influence of the Sol-Gel Processing Method on the Structure and the Porous Texture of Nondoped Aluminas", J. Catal., (1997), vol. 166, pages 340-346.	
	L	Y. MIZUSHIMA, et al., "Preparation of Heat-Resistant Alumina Aerogels", J. Mater. Res., Vol. 8, No. 11, Nov. 1993, pages 2993-2999.	
	M	K. MAEDA, et al., "Thermal Behaviour of Alumina from Aluminium Alkoxide Reacted with Complexing Agent", J. Chem Soc. Faraday Trans., (1992), vol. 88, pages 97-104)	
	N	G. BUSCA, et al., "Transition Metal Mixed Oxides as Combustion Catalysts: Preparation, Characterization and Activity Mechanisms", Catal. Today, (1997), vol. 33, pages 239-249.	
	O	E. ESCALONA, et al., "Synthesis of High Surface Area CoAl <sub>2</sub> O <sub>4</sub> and NiAl <sub>2</sub> O <sub>4</sub> , Spinels by an Alkoxide Route", Res. Chem. Intermed., (1999), vol. 25, No. 2, pages 187-194	
	P	M. OZAWA, et al., "Preparation of Zirconia Powder by the Pyrolysis of Active Carbon", J. Mater. Sci. Lett., (1990), vol. 9, pages 446-448.	
	Q	C. MADSEN, et al., "Nanosized Zeolite Crystals-Convenient Control of Crystal Size Distribution by Confined Space Synthesis", Chem. Commun., (1999), pages 673-674.	
	R	H. WAKAYAMA, et al., "Nanoporous Metal Oxides Synthesized by the Nanoscale Casting Process Using Supercritical Fluids", Chem. Matter, (2001), vol. 13, pages 2392-2396.	
	S	C. WEIDENTHALER, et al., "Thermal Stability and Thermal Transformations of Co <sup>2+</sup> - or Ni <sup>2+</sup> -Exchanged Zeolites A, X, and Y", Chem. Matter, (2000), vol. 12, pages 3811-3820.	
	T	C.O. AREAN, "Sol-Gel Method for Preparing High Surface Area CoAl <sub>2</sub> O <sub>4</sub> and Al <sub>2</sub> O <sub>3</sub> - CoAl <sub>2</sub> O <sub>4</sub> Spinels", Mater. Lett. (1999), vol. 39, pages 22-27.	
LH	U	E.S.J. LOX, et al., "Environmental Catalysis", Wiley-VCH, Weinheim 1997, Handbook of Heterogeneous Catalysis, vol. 4, pages 1559-1633.	
EXAMINER SIGNATURE: /Patricia Hailey/		DATE CONSIDERED: 01/30/2007	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>see Kinds Codes of USPTO Patent Documents at <a href="http://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.</p> <p>The collection of information is required by 37 CFR 1.197 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>			